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SAS:gte 03/03/05 4239-66646-06 360169.doc
PATENT

EXPRESS MAIL LABEL NO. EV510808334US
DATE OF DEPOSIT: March 3, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Moss *et al.*

Application No. Not yet assigned

Filed: Herewith

Confirmation No. Not yet assigned

For: FACTORS THAT BIND INTESTINAL
TOXINS

Examiner: Not yet assigned

Art Unit: Not yet assigned

Attorney Reference No. 4239-66646-06

CERTIFICATE OF EXPRESS MAILING

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Agent
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Date Mailed March 3, 2005

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INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(2)

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

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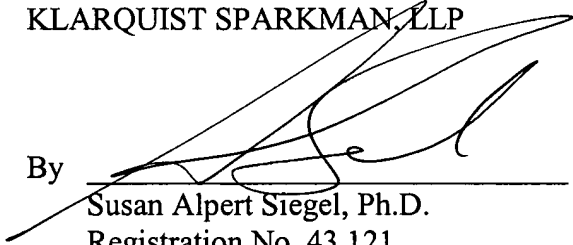
Applicants filed this Information Disclosure Statement ("IDS") within three months of the date of entry of the national stage as set forth in § 1.491 in an international application. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of the transmittal letter for this IDS is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Attorney Docket Number	4239-66646-06
Application Number	Not yet assigned
Filed	Herewith
First Named Inventor	Moss
Art Unit	Not yet assigned
Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,620,858	15 Apr 1997	Armstrong <i>et al.</i>
		5,955,293	21 Sep 1999	Keusch <i>et al.</i>
		6,224,891	1 May 2001	Rafter <i>et al.</i>

OTHER DOCUMENTS

Examiner's Initials*	Cite No. (optional)	
		BRAVO, "Polyphenols: Chemistry, Dietary Sources, Metabolism, and Nutritional Significance," <i>Nutrition Reviews</i> 56(11):317-333, 1998
		FITZ <i>et al.</i> , "Accelerating ligand identification," reprinted from <i>BIAjournal</i> 5(2), 1998
		MAINIL, "Shiga/verocytotoxins and Shiga/verotoxigenic <i>Escherichia coli</i> in animals," <i>Vet Res</i> 30(2-3):235-257, 1999, abstract only
		NAKAO <i>et al.</i> , "Escherichia coli Shiga toxin," <i>J Nat Toxins</i> 9(3):299-313, 2000, abstract only
		SAITO <i>et al.</i> , "Inhibition by Apple Polyphenols of ADP-Ribosyltransferase Activity of Cholera Toxin and Toxin-Induced Fluid Accumulation in Mice," <i>Microbiol Immunol</i> 46(4):249-255, 2002
		SCHMIDT <i>et al.</i> , "Non-O157:H7 Pathogenic Shiga Toxin-Producing <i>Escherichia coli</i> : Phenotypic and Genetic Profiling of Virulence Traits and Evidence for Clonality," <i>J Infect Dis</i> 179:115-123, 1999
		TAGASHIRA <i>et al.</i> , "Inhibition by hop bract polyphenols of cellular adherence and water-insoluble glucan synthesis of mutans streptococci," <i>Biosci. Biotech. Biochem.</i> 61(2):332-335, 1997
		VO-DINH <i>et al.</i> , "Biosensors and biochips: advances in biological and medical diagnostics," <i>Fresenius J Anal Chem</i> 366:540-551, 2000

EXAMINER
SIGNATURE:DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Attorney Docket Number	4239-66646-06
			Application Number	Not yet assigned
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			First Named Inventor	Moss
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		WANG, "Electroanalysis and Biosensors," <i>Anal. Chem.</i> 71:328R-332R, 1999		
		WILLNER <i>et al.</i> , "Biomaterials integrated with electronic elements: en route to bioelectronics," <i>Trends Biotechnol</i> 19(6):222-230, 2001, abstract only		
		"Botany online: The Secondary Metabolism of Plants – Phenolic Compounds," http://www.biologie.uni-hamburg.de/b-online/e20/20d.htm , 7/11/02, 6 pages		
		"Product Bulletin: ZORBAX GF-250 and GF-450 Size Exclusion Columns," http://www.mac-mod.com/pb/gf-250-pb.html , 7/15/02, 14 pages		
		"Tannins," http://sres.anu.edu.au/associates/fpt/nwfp/tannins/tannins.html , 7/11/02, 4 pages		
		"Tannins: biosynthesis," http://www.ansci.cornell.edu/plants/toxicagents/tannin/biosyn.html , 7/11/02, 2 pages		
		"Tannins: chemical analysis," http://www.ansci.cornell.edu/plants/toxicagents/tannin/chem_anl.html , 7/11/02, 5 pages		
		"Tannins: chemical structure," http://www.ansci.cornell.edu/plants/toxicagents/tannin/chemical.html , 7/11/02, 2 pages		
		"Tannins: interaction with other macromolecules," http://www.ansci.cornell.edu/plants/toxicagents/tannin/interaction.html , 7/11/02, 3 pages		
		"Tannins: occurrence," http://www.ansci.cornell.edu/plants/toxicagents/tannin/occurrence.html , 7/11/02, 2 pages		
		"Tannins: positive effects," http://www.ansci.cornell.edu/plants/toxicagents/tannin/pos_effects.html , 7/11/02, 2 pages		
		"Tannins: references," http://www.ansci.cornell.edu/plants/toxicagents/tannin/reference.html , 7/11/02, 2 pages		
		"Tannins: toxic and antinutritional effects," http://www.ansci.cornell.edu/plants/toxicagents/tannin/toxic_effects.html , 7/11/02, 6 pages		

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